

# Bank Management System

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# **Problem Statement:**

Manage The Bank Account including name, age, contact number.

All The Account and Account Details is Protected with Pin

1.Add Account - The new account should add Age,Name,Account Number and Pin

2.Deposite Amount- Adding Amount to the balance of your account

3.Withdraw Amount -Taking Amount from the balance of your account

4.Check Balance - Display the Balance Amount from your account

5.Display Details - Display All your Details of your Account including Account Number,Balance, Name, Age

# Modules Used :

- 1.Add Account***
- 2.Deposite Amount***
- 3.Withdraw Amount***
- 4.Cheak Balance***
- 5.Display Account Details***

# Methods Used:

1. STRUCTURE
2. LOOPING
3. CONDITION
4. SWITCH CASE
5. FUNCTIONS

# Tools Used:

A MacBook Pro is shown from a low angle, focusing on the screen which displays a code editor. The editor shows a file named "functions.php" with the following content:

```
> cert
> cgi-bin
> phpmyadmin
> wp-admin
> wp-content
> languages
> plugins
> acf-accordion
> advanced-custom-fields-pro
> amr-shortcode-any-widget
> charitable
> charitable-ambassadors
> charitable-anonymous
> charitable-license-tester
> charitable-user-avatar
> contact-form-7
> contact-form-7-to-database-extension
> custom-registration-form-builder-with-submissi...
> disable-comments
> extended-registration
> backend
> classes
> js
> views
debug.php
extended-registration.php
functions.php
LayerSlider
really-simple-captcha
regenerate-thumbnails
relative-image-urls

public_html <
75 include($view_path . 'header.php');
76
77 $fields = ER_Model::factory('Field')->loadTemplates();
78 foreach ($fields as $field) {
79     er_render_field($field);
80 }
81
82 include($view_path . 'footer.php');
83 }
84
85 function er_handle_registration_form() {
86     $results = array('errors'=>array());
87     $password = null;
88     $username = null;
89     $usernameField = er_option('er_username_field');
90     $passwordField = er_option('er_password_field');
91
92     # Create new registration
93     $registration = ER_Model::factory('Registration');
94     $registration['time'] = date('Y-m-d H-i-s');
95
96     $fields = ER_Model::factory('Field')->loadTemplates();
97     foreach ($fields as $field) {
98         $field['template_id'] = $field['id'];
99         $field['id'] = null;
100
101         # Assign value and validate
102         switch ($field['type']) {
103             case 'title':
104             case 'description':
105                 continue;
106                 break;
107
108             case 'checkbox':
109                 $field['value'] = isset($_POST[$field['unique_name']]);
110                 if ($field['required'] && !$field['value'])
111                     $results['errors'][$field['unique_name']] = 'Vous devez cocher cette case pour continuer.';
112                 break;
113
114             case 'email':
115                 $field['value'] = safe_get($_POST, $field['unique_name']);
116                 if ($field['required'] && !$field['value'])
117                     $results['errors'][$field['unique_name']] = 'Vous devez remplir ce champs.';
118                 elseif (filter_var($field['value'], FILTER_VALIDATE_EMAIL) == false)
119                     $results['errors'][$field['unique_name']] = 'Vous devez entrez une adresse courriel valide.';
120                 break;
121
122             case 'password':
123         }
124     }
125 }
```

The status bar at the bottom of the screen shows various application icons and the text "MacBook Pro".

# **Reference :**

***1. Programming in C***

***By Reema Thareja***

***2. W3Schools in C***

# Program:

```
1 #include <stdio.h>
2 struct customer
3 {
4     int price, accno, pin, balance, age;
5     char name[100];
6
7     } list[50];
8
9
10    int search(int);
11
12    int pin();
13
14    void add ();
15
16    void deposit ();
17
18    void withdraw ();
19
20    void balance ();
```



```
23 void details ();
24
25 int a, i = 0, num, num2, j, choice, amount, cust = 0,n,num4;
26
27 int main (void)
28 {
29 while (j < 6){
30 printf ("\n\n\n1.Add account");
31 printf("\n2.Deposite Amount");
32 printf ("\n3.Withdraw Amount");
33 printf("\n4.Display Balance");
34 printf (" \n5.Display Account Details");
35 printf ("\nEnter choice(1-5) : ");
36 scanf ("%d", &choice);
37 switch (choice){
38 case 1:{
39     add ();
40     break;
41 }}
```



```
42    case 2:{  
43        deposit ();  
44        break;  
45    }  
46    case 3:{  
47        withdraw ();  
48        break;  
49    }  
50    case 4:{  
51        balance ();  
52        break;  
53    }  
54    case 5:{  
55        details ();  
56        break;  
57    }  
58}  
59}  
60    return 0;  
61}  
62  
63
```



# Add Account:

```
64 void add ()
65 {
66 printf ("\n\nEnter The Account Number:");
67 scanf ("%d", &list[i].accno);
68 num=list[i].accno;
69 n=search(num);
70
71 if(n==-1){
72 printf ("\n\nEnter Name : ");
73 scanf ("%s", list[i].name);
74 printf ("\n\nEnter The AGE : ");
75 scanf ("%d",&list[i].age);
76 list[i].balance = 0;
77 pin();
78 cust += 1;
79 i += 1;
80 }
81
82 else{
83 printf("\n\nYou Entered Account Number is Already Exist");
84 }
85 }
```



# Search and Pin:

```
86 int search(int num){  
87     for(i=0;i<cust;i++){  
88         if(list[i].accno==num){  
89             return i;  
90         }  
91     }  
92     return -1;  
93 }  
94 int pin(){  
95     printf ("\n\nSet PIN:");  
96     scanf ("%d", &num4);  
97     if(999<num4 && num4<10000){  
98         list[i].pin=num4;  
99     }  
100    else{  
101        printf("\n\nThe Pin Number Length must be 4");  
102        pin();  
103    }  
104 }
```



# Deposite Amount:

```
105 void deposit (){
106     printf ("\n\nEnter Account Number : ");
107     scanf ("%d", &num);
108     n=search(num);
109     if(n==-1){
110         printf("\n\nYou Entered Account Number is Not Exist");
111     }
112     else{
113         if (list[n].accno == num){
114             printf ("\n\nEnter the PIN:");
115             scanf ("%d", &num2);
116             if (list[n].pin == num2){
117                 printf ("\n\nEnter amount to deposit : ");
118                 scanf ("%d", &amount);
119                 list[n].balance += amount;
120             }
121             else{
122                 printf ("\n\nYou Entered Wrong PIN Number");
123             }
124         }
125     }
```



# Withdraw Amount:

```
127
128 void withdraw ()
129 {
130 printf ("\n\nEnter Account Number : ");
131 scanf ("%d", &num);
132 n=search(num);
133 if(n== -1){
134     printf("\n\nYou Entered Account Number is Not Exist");
135 }
136 else{
137 if (list[n].accno == num){
138     printf ("\n\nEnter the PIN:");
139     scanf ("%d", &num2);
140     if (list[i].pin == num2){
141         printf ("\n\nEnter Amount to Withdraw : ");
142         scanf ("%d", &amount);
143         list[i].balance -= amount;
144     }
145     else{
146         printf ("\n\nYou Entered Wrong PIN Number");}
147 }
148 }
149 }
```



# Check Account Balance:

```
151  
152 void balance ()  
153 {  
154     printf ("\n\nEnter Account Number : ");  
155     scanf ("%d", &num);  
156     n=search(num);  
157     if(n== -1){  
158         printf("\n\nYou Entered Account Number is Not Exist");  
159     }  
160     else{  
161         if (list[n].accno == num){  
162             printf ("\n\nEnter the PIN:")scanf ("%d", &num2);  
163             if (list[i].pin == num2){  
164                 printf ("\n\nThe Balance in Your Amount : %d",list[i].balance);  
165             }  
166             else{  
167                 printf ("\n\nYou Entered Wrong PIN Number");  
168             }  
169         }  
170     }  
171 }  
172  
173
```



# Check All Details:

```
174 void details (){
175     printf ("\n\nEnter Account Number to Search : ");
176     scanf ("%d", &num);
177     n=search(num);
178     if(n== -1){
179         printf("\n\nYou Entered Account Number is Not Exist");
180     }
181     else{
182         if (list[n].accno == num){
183             printf ("\n\nEnter the PIN:");
184             scanf ("%d", &num2);
185             if (list[i].pin == num2){
186                 printf("=====");
187                 printf ("\n\n\tAccount Name : %s", list[i].name);
188                 printf ("\n\n\tAccount Number : %d", list[i].accno);
189                 printf("\n\n\tAGE : %d", list[i].age);
190                 printf ("\n\n\tAccount Balance:%d", list[i].balance);
191                 printf("=====");
192             }
193             else{
194                 printf ("\n\nYou Entered Wrong PIN Number");}
195     }
196 }}
```



Thank  
you!

